

Name(s) of Risk Team Members: H. Dorr, M. Kessler, M. Lavery, R. Savage, S. Seberg			Point Value → Parameter ↓	1		2		3		4		5				
Job Title: C-AD Staff Crane Operation Job Number or Job Identifier: JRA 19-05			Frequency (B)	≤once/year		≤once/month		≤once/week		≤once/shift		>once/shift				
Job Description: Crane Use for Lifting Doublet Injection Assembly, U/S Part # 5302138. Performed by C-AD Staff in Building 902 Complex.			Severity (C)	First Aid Only		Medical Treatment		Lost Time		Partial Disability		Death or Permanent Disability				
Training and Procedures List (optional): Basic Rigging for Crane Operators and Practical, Overhead Crane Operator and Practical, Material Handling Medical Surveillance Qualified.			Likelihood (D)	Extremely Unlikely		Unlikely		Possible		Probable		Multiple				
Approved by: <i>E. Lessard</i> Date: 2/23/05 Rev. #:0																
Stressors (if applicable, please list all): Temperature, lighting, working at heights.			Reason for Revision (if applicable):						Comments:							
				Before Additional Controls									After Additional Controls			
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Crane Inspection	Falls on same level.	Work Planning, PPE (slip-resistant footwear), training, housekeeping, Tier I Inspections, SNS Doublet Assembly Lifting Procedure (SNS-LP-002).	Y	1	4	3	2	24								
Select rigging equipment, move to load area.	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, and carrying.	Back safety training, use of squat lift technique, work planning, PPE, training, use of dollies, OPM procedures, SNS Doublet Assembly Lifting Procedure (SNS-LP-002), Tier I Inspections, use certified rigging equipment, known weight of load, known center of gravity of load, known lifting points on load.	Y	2	4	3	2	48								
Select rigging equipment, move to load area.	Falls on same level	Work planning, PPE (slip-resistant footwear), training, housekeeping, Tier I Inspections.	Y	2	4	3	2	48								

Hook up to the load	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, and carrying.	Back safety training, use of squat lift technique, work planning, PPE, training, OPM procedures, SNS Doublet Assembly Lifting Procedure (SNS-LP-002), Tier I Inspections.	Y	2	4	2	2	32								
Hook up to load	Falls on same level	Work Planning, PPE (slip-resistant footwear), training, housekeeping, Tier I Inspections.	Y	2	4	3	2	48								
Lift the load and move to new location	Getting struck by dropped load or hitting other objects or people with load while moving.	Work Planning, PPE, training, PE & C-AD inspection and maintenance of equipment, SBMS Subject Areas, OPM procedures, SNS Doublet Assembly Lifting Procedure (SNS-LP-002), Tier I Inspections, known weight of load, known center of gravity of load, known lifting points on load, two persons for lift, route and area checked prior to movement, availability of engineering input, and inspected rigging equipment; C-AD and SMD supervisors review their personnel assigned to perform mechanical material handling and ensure qualified personnel are performing the work.	N	2	4	4	1	32	In the past, hurrying the work was a common practice reported by the workers. During Safety Week 2005, C-AD management emphasized that work delays for safety reasons are acceptable and required. Management also emphasized that it is OK to stop and check the rules even if it delays work							
Lower/Lay Down the load	Load Tipping/falling	Work Planning, PPE, training, PE & C-AD inspection and maintenance of equipment, SBMS Subject Areas, OPM procedures, SNS Doublet Assembly Lifting Procedure (SNS-LP-002), Critical Lift requirements, Tier I Inspections, known weight of load, known center of gravity of load, known lifting points on load, two persons for lift, route and area checked prior to movement, availability of engineering input, certified rigging equipment, floor area loading Capacity known and chocking.	Y	2	4	3	2	48								
Unhook rigging equipment	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, and carrying.	Back safety training, use of squat lift technique, work planning, PPE, training, OPM procedures, SNS Doublet Assembly Lifting Procedure (SNS-LP-002), Tier I Inspections.	Y	2	4	2	2	32								
Unhook rigging equipment	Falls on same level	Work Planning, PPE (slip-resistant footwear), training, housekeeping, Tier I Inspections.	Y	2	4	3	2	48								

Store rigging equipment	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, and carrying.	Back safety training, use of squat lift technique, work planning, PPE, training, OPM procedures, and Tier I Inspections.	Y	2	4	2	2	32								
Store rigging equipment	Falls on same level	Work Planning, PPE (slip-resistant footwear), training, housekeeping, Tier I Inspections.	Y	2	4	3	2	48								
Store/Safe the crane	Falls on same level	Work Planning, PPE (slip-resistant footwear), training, housekeeping, Tier I Inspections.	Y	2	4	3	2	48								
Further Description of Controls Added to Reduce Risk:																
*Risk:	0 to 20	21 to 40	41-60			61 to 80			81 or greater							
	Negligible	Acceptable	Moderate			Substantial			Intolerable							